

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP 02/06504

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 D02G1/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 D02G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|------------|--|-----------------------|
| X | US 3 991 545 A (RITTER HELMUT ET AL) 16 November 1976 (1976-11-16) the whole document | 1, 12 |
| X | FR 2 226 489 A (CHAVANOZ SA) 15 November 1974 (1974-11-15) page 4, line 11-33 | 1, 12 |
| A | FR 2 388 747 A (ASA SA) 24 November 1978 (1978-11-24) page 7, line 13-36 | 1, 12 |
| A | FR 2 695 631 A (ICBT ROANNE) 18 March 1994 (1994-03-18) cited in the application the whole document | 1, 10, 12 |

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

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P document published prior to the international filing date but later than the priority date claimed

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X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

Z document member of the same patent family

Date of the actual completion of the international search

26 November 2002

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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| Patent document cited in search report | | Publication date | Patent family member(s) | Publication date |
|---|---|---------------------|---|--|
| US 3991545 | A | 16-11-1976 | CH 580180 A5 DE 2557051 A1 FR 2297937 A1 GB 1483573 A IT 1052816 B JP 51096554 A | 30-09-1976 22-07-1976 13-08-1976 24-08-1977 20-07-1981 24-08-1976 |
| FR 2226489 | A | 15-11-1974 | FR 2226489 A1 CA 1009523 A1 US 3946546 A | 15-11-1974 03-05-1977 30-03-1976 |
| FR 2388747 | A | 24-11-1978 | FR 2388747 A1 | 24-11-1978 |
| FR 2695631 | A | 18-03-1994 | FR 2695631 A1 | 18-03-1994 |